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COMPUTED BY: GMM	DATE: 08-22-2016
CHECKED BY: MBL	DATE: 08-22-2016

PROJECT REFERENCE NO.	SHEET NO.
W-5601EJ	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

EARTHWORK SUMMARY (CY)

STATION	STATION	UNCLASSIFIED EXCAVATION	EMBT+%	BORROW	WASTE
-L- STA. 18+50 TO -L- STA. 19+39		21			21
-L- STA. 25+20 TO -L- STA. 26+39		24			24
SUBTOTAL SUMMARY		45			45
PROJECT TOTAL		45			45
ESTIMATE 5% FOR TOPSOIL ON BORROW PITS					
WASTE IN LIEU OF BORROW					
GRAND TOTAL		45			45
SAY		50			

NOTE:

Note: Approximate quantities only. Unclassified Excavation, Fine Grading, and Clearing and Grabbing will be paid for at the contract lump sum price for "Grading"

COMPUTED BY: Joshua G. Dalton, P.E.	DATE: 8/22/2016
CHECKED BY: Brian N. Elam, P.E.	DATE: 8/22/2016

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

| STATION | LOCATION (LT, RT, OR CL)' | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE 12" .064 | 15" .064 | 18" .064 | 24" .064 | 30" .079 | 36" .079 | 42" .109 | 48" .109 | R.C. PIPE CLASS III 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS IV 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | ** " R.C. PIPE (CLASS V) | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0') | LIN. FT. 5.0' THRU 10.0' A | 10.0' AND ABOVE B | *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | CONCRETE TRANSITIONAL SECTION DROP INLET | CATCH BASIN | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME WITH TWO GRATES STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR 840.26 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. TYPE "D" STD. 840.19 OR 840.28 | G.D.I. FRAME WITH GRATE STD. 840.20 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO FLAT GRATES STD. 840.29 | J.B. STD. 840.31 OR 840.32 | T.B.G.D.I. STD. 840.35 | STEEL GRATE AND FRAME STD. 840.37 | ADJUST MH | CONVERT C.B. TO D.I. | DRAINAGE PIPE ELBOWS NO. & SIZE | CONG. & BRICK PIPE PLUG, C.Y. STD. 840.71 | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | PIPE REMOVAL LIN. FT. | REMARKS |
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